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Substitute for form 1449, PTO-1449, 10/07/02

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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of 4

Complete if Known

Application Number	10/506,958
Filing Date	May 2, 2005
First Named Inventor	Helen Braven, et al.
Art Unit	1645
Examiner Name	To Be Assigned
Attorney Docket Number	37369-8

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/SP/	1	us- 5,837,450	11/17/1998	Dahlberg, et al.	
	2	us- 5,795,763	08/18/1998	Dahlberg, et al.	
	3	us- 5,614,402	03/25/1997	Dahlberg, et al.	
	4	us- 5,487,972	01/30/1996	Gelfand, et al.	
	5	us- 5,804,375	09/08/1998	Gelfand, et al.	
	6	us- 5,538,848	07/23/1996	Livak, et al.	
	7	us- 5,591,578	01/07/1997	Meade, et al.	
	8	us- 5,705,348	01/06/1998	Meade, et al.	
	9	us- 5,312,527	05/17/1994	Mikkelsen, et al.	
	10	us- 4,840,893	06/20/1989	Hill, et al.	
	11	us- 5,871,918	02/16/1999	Thorpe, et al.	
	12	us- 6,221,586	04/24/2001	Barton, et al.	
▼	13	us- 5,846,717	12/08/1998	Brow, et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)				
/SP/	14	WO 00/32813	06/08/2000	Willner, et al.		

Examiner Signature

/Steven Pohnert/ (06/04/2007)

Date Considered

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Substitute for form 1449B/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/506,958
<i>(Use as many sheets as necessary)</i>		Filing Date	May 2, 2005
		First Named Inventor	Helen Braven, et al.
		Art Unit	11645
		Examiner Name	To Be Assigned
Sheet	2	of	4
Attorney Docket Number 37369-8			

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
T ²				
/SP/	15	Wang, J. et al., "Electrochemical Measurements of Oligonucleotides in the Presence of Chromosomal DNA Using Membrane-Covered Carbon Electrodes", Analytical Chemistry, Vol. 69, No. 19, October 1, 1997, pp 4056-4059.		
	16	Berney, H. et al., "A DNA Diagnostic Biosensor: Development, Characterisation and Performance", Sensors and Actuators, B 68, 2000, pp. 100-108.		
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	18	Pividori, M. I et al., "Electrochemical Genosensor Design: Immobilisation of Oligonucleotides onto Transducer Surfaces and Detection Methods", Biosensors & Bioelectronics, Vol. 15, pp. 291-303.		
	19	Wang, J. et al., "DNA Electrochemical Biosensors for Environmental Monitoring", Analytica Chimica Acta, Vol. 347, 1997, pp. 1-8.		
	20	Millan, K. et al., "Sequence-Selective Biosensor for DNA Based on Electroactive Hybridization Indicators", Analytical Chemistry, Vol. 65, No. 17, September 1, 1993, pp. 2317-2323.		
	21	Millan, K. et al., "Voltammetric DNA Biosensor for Cystic Fibrosis Based on a Modified Carbon Paste Electrode", Analytical Chemistry, Vol. 66, No. 18, September 15, 1994, pp. 2943-2948.		
	22	Mikkelsen, S., "Electrochemical Biosensors for DNA Sequence Detection", Electroanalysis, Vol. 8, No. 1, 1996, pp. 15-19.		
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↓	24	Wang, J. et al., "Peptide Nucleic Acid Probes for Sequence-Specific DNA Biosensors", Journal of American Chemical Society, Vol. 118, No. 33, 1996, pp. 7667-7670.		

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STATEMENT BY APPLICANT

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Sheet 3

or 4

Complete If Known	
Application Number	10/506,958
Filing Date	May 2, 2005
First Named Inventor	Helen Braven, et al.
Art Unit	1646
Examiner Name	To Be Assigned
Attorney Docket Number	37369-8

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/SP/	25	Palecek, E. et al., Detecting DNA Hybridization and Damage", Analytical Chemistry, February 1, 2001, pp. 75-83.	
	26	Popovich, N., "Mediated Electrochemical Detection of Nucleic Acids for Drug Discovery and Clinical Diagnostics", IVD Technology, April 2001, pp. 36-42.	
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	28	Umek, R. et al., "Electronic Detection of Nucleic Acids: A Versatile Platform for Molecular Diagnostics", Journal of Molecular Diagnostics, Vol. 3, No. 2, May 2001, pp. 74-84.	
	29	Boon, E. et al., Mutation Detection by Electrocatalysis at DNA-Modified Electrodes", Nature Biology, Vol. 18, October 2000, pp. 1096-1100.	
***	30	Caruana, D. et al., "Enzyme-Amplified Amperometric Detection of Hybridization and of a Single Base Pair Mutation in an 18-Base Oligonucleotide on a 7-um-Diameter Microelectrode", Journal of American Chemical Society, Vol. 121, No. 4, 1999, pp. 769-774.	
	31	Patolsky, F. et al., "Detection of Single-Base DNA Mutations by Enzyme-Amplified Electronic Transduction", Nature Biotechnology, Vol. 19, March 2001, pp. 253-257.	
	32	Patolsky, F. et al., "Electronic Trasduction of Polymerase or Reverse Transcriptase Induced Replication Processes on Surfaces: Highly Sensitive and Specific Detection of Viral Genomes", Agnew. Chem. Int., Vol. 40, No. 12, 2001, pp. 2261-2265.	
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↓	34	Takenaka, S. et al., "Electrochemically Active DNA Probes: Detection of Target DNA Sequences at Femtomole Level by High-Performance Liquid Chromatography with Electrochemical Detection", Analytical Biochemistry, Vol. 218, 1994, pp. 436-443.	

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Sheet 4

of 4

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/SP/	35	Ihara, T. et al., "Ferrocene-Oligonucleotide Conjugates for Electrochemical Probing of DNA", Nucleic Acids Research, Vol. 24, No. 21, 1996, pp. 4273-4280.	
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	37	Tierney, M. et al., "Synthesis and Characterization of Flourenone-, Anthraquinone-, and Phenothiazine-Labeled Oligodeoxynucleotides: 5'-Probes for DNA Redox Chemistry", J. Org. Chem., Vol. 65, 2000, pp. 5355-5359.	
	38	Whittemore, N. et al., "Synthesis and Electrochemistry of Anthraquinone-Oligodeoxynucleotide Conjugates", Bioconjugate Chem., Vol. 10, No. 2, 1999, pp. 261-270.	
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